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UTILITY PATENT APPLICATION TRANSMITTAL

MAIL STOP PATENT APPLICATION
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Customer No. 23696
 Attorney Docket No.: 030284
 Date: August 19, 2003
 Express Mail Label No.: EL 977 100 778 US

Dear Sir:

Transmitted herewith for filing is the patent application of:

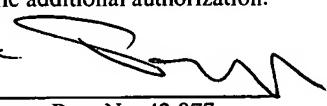
Inventor(s): Amr Fahim
 For: COMPACT, LOW-POWER LOW-JITTER DIGITAL PHASE-LOCKED LOOP

Enclosed are:

1. Patent application (32) total pages.
2. Drawings: Formal (10) sheet(s) or Informal () sheet(s).
3. Declaration/Power of Attorney: Signed Unsigned
4. This application claims priority from Application Serial No. 60/461,889, Filed April 9, 2003, Status Pending.
5. An Assignment (1) pages and Recordation Form Cover Sheet.
6. A Preliminary Amendment () pages.
7. Information Disclosure Statement (IDS):
 - a. PTO-1449
 - b. Copies of IDS Citations (number of citations: 5)
8. Other:

CLAIMS:	(a) Filed	(b) Extra Claims	Large Entity Fee	Fee Paid
Total*	44 - 20	24	x \$18 =	\$432.00
Independent**	16 - 3	13	x \$84 =	\$1092
Multiple Dependent Claim(s): <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes			\$280	\$
APPLICATION FILING FEE			\$750	\$750.00
*If the number in column a is less than 20, enter 0 in column b. **If the number in column b is less than 3, enter 0 in column b.		TOTAL FEE		\$2274.00

9. A check in the amount of \$____ is enclosed to pay the filing fee.
10. Please charge Deposit Account No. 17-0026 of QUALCOMM Incorporated the amount of \$2274.00. The Commissioner is hereby authorized to charge payment of any additional fees which may be required, or credit any overpayment, to said Deposit Account No. 17-0026. A duplicate of this sheet is enclosed for fee processing.
11. The Commissioner is further hereby authorized to charge to said Deposit Account No. 17-0026, pursuant to 37 CFR 1.25(b), any fee whatsoever which may become properly due or payable, as set forth in 37 CFR 1.16 to 37 CFR 1.18 inclusive, for the entire pendency of this application without specific additional authorization.

Date: August 19, 2003Signature: George C. Pappas Reg. No. 42,977
(858) 651-1306CORRESPONDENCE ADDRESS

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